

COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010661
DATE CERTIFICATION METHOD PERFORMED: February 12, 2015
DATE RECERTIFICATION DUE: August 11, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

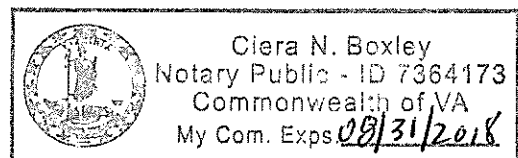
Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 12th day of
February, 2015 by Michelle M. Billeter

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
2/12/2014 To 2/12/2015**

LMS
mmB

Instrument Serial Number: 010661	As of 12-Feb-15
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
12-Feb-15	12-Feb-15	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Sep-14	09-Sep-14	HMS (18910)	REPLACED UPS BACK-UP BATTERY, CERTIFIED, REPLACED DRY GAS STANDARD.
14-Mar-14	14-Mar-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.

INTOX EC/IR II
Quality Assurance Worksheet

LHO
mmB

Instrument Serial Number 010661 Worksheet Start Date 2/12/2015
Location Norfolk Naval Shipyard
Address Building 1618 Norfolk Naval Shipyard VA 23709
DFS Technician Heather Stanton License No. 18910
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 756 Reference Barometer (mm HG) 760
Reference Barometer(RB)Serial # 009113 RB Calibration Due 4/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.306
0.300	0.298	0.289	0.306	Sample 2	0.306
Precision		sample min	sample max	Sample 3	0.305
0.001		0.305	0.306		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

Dry gas standard Lot No. (with tank no.) AG419702-54

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

[Large area of fine grid pattern, likely a placeholder for handwritten notes.]

Instrument Serial Number

010661

Certification Date

2/12/2015

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.251
0.250	0.249	0.241	0.256	Sample 2	0.251
Precision		sample min	sample max	Sample 3	0.251
0		0.251	0.251		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.149	0.144	0.153	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

2/12/15

Issuing Analyst



Date

2/12/15

JPD

HMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 179

Test Date: 02/12/2015 Test Time: 09:15 EST

Technician Initials: *HMS*

Dry Gas Target: 0.249

Lot Number: 16114250I4-03 Exp Date: 07/05/2016

Tank Pressure: 208 psi Barometric Pressure: 757 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	09:15
BLK	0.000	09:16
CHK	0.251	09:16
BLK	0.000	09:18
CHK	0.251	09:19
BLK	0.000	09:21
CHK	0.251	09:22
BLK	0.000	09:24

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 180
Test Date: 02/12/2015 Test Time: 09:26 EST

Technician Initials: HMS

Dry Gas Target: 0.149

Lot Number: 1611415013-01 Exp Date: 07/05/2016

Tank Pressure: 375 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:26
BLK	0.000	09:27
CHK	0.151	09:28
BLK	0.000	09:29
CHK	0.151	09:30
BLK	0.000	09:32
CHK	0.151	09:33
BLK	0.000	09:34

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 181

Test Date: 02/12/2015 Test Time: 09:36 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 34413080I2-01 Exp Date: 01/01/2016

Tank Pressure: 306 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:36
BLK	0.000	09:37
CHK	0.080	09:38
BLK	0.000	09:39
CHK	0.080	09:40
BLK	0.000	09:42
CHK	0.080	09:42
BLK	0.000	09:44

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

hms
mms

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010661 Test Number: 182

Test Date: 02/12/2015 Test Time: 09:46 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 71 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:46
BLK	0.000	09:47
CHK	0.019	09:48
BLK	0.000	09:49
CHK	0.019	09:50
BLK	0.000	09:51
CHK	0.019	09:52
BLK	0.000	09:53

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

WMS
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010661 Test Number: 183

Test Date: 02/12/2015 Test Time: 09:55 EST

Dry Gas Target: 0.298

Lot Number: AG428003-04 Exp Date: 10/07/2016

Tank Pressure: 272 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	09:56
CHK	0.306	09:57
BLK	0.000	09:59
CHK	0.306	10:00
BLK	0.000	10:02
CHK	0.305	10:03

Test Status: Success

Calibration CRC: FF9AA030

IMS
mmB

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010661 Test Number: 184

Test Date: 02/12/2015 Test Time: 10:06 EST

Dry Gas Target: 0.100

Lot Number: AG419702-54 Exp Date: 07/16/2016

Tank Pressure: 169 psi Barometric Pressure: 756 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:06
CHK	0.100	10:07
BLK	0.000	10:09
CHK	0.100	10:10
BLK	0.000	10:11
CHK	0.100	10:12

Test Status: *Success*

Calibration CRC: FF9AA030

LYMS
mmB



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2016	02/12/2015
TEST EQUIPMENT NUMBER		
010661		

RESULTS: TIME SAMPLE TAKEN 10:21 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 12 Feb 2015 at 10:37

TIN
HNS
mmb

Test Results

Instrument Serial Number 010661

Test # 000185 Subject Test

Test Location 1 Department of
Test Date 12 Feb 2015

Test Location 2 Forensic Science
Test Time 10:14
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

Effective Date 10/01/2014

License Number 18910

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 12 Feb 2015 End Time 10:22

Result Time 10:21

Result Date 12 Feb 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:15

Data Type BLK

Sample Value 0.000

Sample Time 10:16

Data Type CHK

Sample Value 0.100

Sample Time 10:16

Data Type BLK

Sample Value 0.000

Sample Time 10:18

Data Type SUBJ

Sample Value 0.000

Sample Time 10:19

Data Type BLK

Sample Value 0.000

Sample Time 10:20

Data Type SUBJ

Sample Value 0.000

Sample Time 10:21

Data Type BLK

Sample Value 0.000

Sample Time 10:22

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG419702-54

Standard Expiration Date 07/16/2016

Tank Pressure 164

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.22 sec

Blow Volume 1772 cc End-of-Blow Time 10:19

Blow Sample Number 2 Blow Duration 3.28 sec

Blow Volume 1835 cc End-of-Blow Time 10:21

Tamper Evident Stamp 6f4f5adc

Test Status Code 0

Test Status Success